

Serial No. 10/826,112  
Atty. Docket No.: P71641US0

**Amendments to the Claims**

**Listing of Claims:**

1.-56. Cancelled.

57. (New) An LNAA supplement for enteral administration to a subject suffering from phenylketonuria and/or phenylalanemia comprising Tyr, Trp, Met, iLeu, Thr, Val and Leu, Lys, and optionally basic amino acids selected from Arg and His, as the sole amino acid ingredients, wherein:

(1) Lys is present in an amount of 5 to 200 mg per 500 mg of LNAA supplement;

(2) the LNAA supplement is substantially free from phenylalanine;, and

(3) the weight ratio of Leu to iLeu is greater than 1:2, and the weight ratio of Leu to Val is greater than 1:2;

and optionally suitable additives selected from the group consisting of vitamins, minerals, excipients, diluents, carriers, granulating and disintegrating agents, binding agents, lubricating agents, wetting agents and/or preservatives.

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58. (New) The LNAA supplement of claim 57, wherein Lys is present in an amount of 5 to 50 mg per 500 mg of LNAA supplement.

59. (New) The LNAA supplement of claim 58, wherein Lys is present in an amount of 5 to 40 mg per 500 mg of LNAA supplement.

60. (New) The LNAA supplement of claim 57, wherein Lys is present in an amount of 5 to 30 mg per 500 mg of LNAA supplement.

61. (New) The LNAA supplement of claim 57, wherein the LNAA supplement contains vitamins, minerals and excipients.

62. (New) The LNAA supplement of claim 58, wherein the LNAA supplement contains vitamins, minerals and excipients.

63. (New) The LNAA supplement of claim 57, wherein the LNAA supplement is in a dosage form suitable for oral administration.

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64. (New) The LNAA supplement of claim 58, wherein the LNAA supplement is in a dosage form suitable for oral administration.

65. (New) The LNAA supplement of claim 63, wherein the dosage form is selected from the group consisting of tablets, dispersible powders, granules, capsules, suspensions, syrups, and elixirs.

66. (New) The LNAA supplement of claim 63, wherein the dosage form is a sustained release capsule or tablet.

67. (New) The LNAA supplement of claim 63, wherein the dosage form is a coated or non-coated tablet.

68. (New) The LNAA supplement of claim 66, wherein the dosage form is a coated or non-coated tablet.

69. (New) The LNAA supplement of claim 57 containing, per 500 mg of LNAA supplement:

from 100 mg to 290 mg of Tyr;

from 25 mg to 75 mg of Trp;

from 15 mg to 50 mg of Met;

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from 15 mg to 55 mg of iLeu;  
from 15 mg to 50 mg of Threo;  
from 15 mg to 55 mg of Val;  
from 15 mg to 200 mg of Leu;  
from 10 mg to 30 mg of His; and  
from 5 mg to 200 mg of Lys.

70. (New) The LNAA supplement of claim 69, wherein the LNAA supplement contains, per 500 mg of LNAA supplement, from 10 mg to 30 mg of Lys.